

Amendment to the Claims:

Please amend claims 1, 5, 6, 7 and 9, cancel claim 2, and add new claims 10 and 11.

1. (Currently Amended) A bicycle seat comprising:

a) a first rigid posterior base section defining a relatively wide first support surface for use by ~~the~~ a rider; ~~and~~

b) a nose section extending forwardly and centrally of said posterior base section and defining a relatively narrow width, elongated second support surface for use ~~of~~ by the rider, said nose section second support surface being supported on said nose section in a manner which enables a selected portion of said second support surface to relocate its position in response and proportionate to the amount of load placed ~~thereon~~ on said second support surface by said rider; ~~and~~

c) wherein the angle between the central axis of said nose section and the vertical plane containing the leading front edge of said first support surface is within a range of 90-125°.

2. (Cancelled) A bicycle seat as claimed in claim 1, wherein said first support surface is substantially flat and the angle between the central axis of said nose action and the vertical plane containing the leading front edge of said first support surface is within a range of 90-125°.

3. (Original) A bicycle seat as claimed in claim 1, wherein said first support surface is substantially flat.

4. (Original) A bicycle seat as claimed in claim 1, wherein said first support surface is slightly concave.

5. (Currently Amended) A bicycle seat as claimed in claim 1 wherein said nose section includes means to limit the downward relocation of the said selected portion of said second support surface ~~a second rigid base section forming an extension of said first~~

~~rigid base section and being adapted to support said second support surface in said manner.~~

6. (Currently Amended) A bicycle seat, comprising:

- a) a first rigid posterior base section defining a relatively wide first support surface for use of the rider of the bicycle;
- b) a nose section extending forwardly and centrally of said posterior base section and defining a relatively narrow width second support surface for use ~~of~~ by the rider, wherein the angle between the central axis of said nose section and the vertical plane containing the leading front edge of said first support surface is within a range of 90-125°; and
- c) deformable means operatively associated with a hollow portion of said nose section for supporting said second support surface at locations corresponding to the amount of load placed on said second support surface means.

7. (Currently Amended) A bicycle seat as claimed in claim 6, wherein said deformable means includes a ~~portion means to limit and centrally locate deformation of said nose section. to limit the amount of said deformation.~~

8. (Original) A bicycle seat as claimed in claim 6, wherein said deformable means comprise a deformable tubular structure having an internal lengthwise extending rib within the structure, and which accepts the load placed on said second support surface, a stop formation in the path of said rib to limit movement of said rib, and load deformable means mounting said rib.

9. (Currently Amended) A bicycle seat comprising:

- a) a first rigid posterior base section with a relatively wide first support surface; and
- b) a nose section extending forwardly and centrally of said posterior base section and defining a relatively narrow width, elongated second support surface for use ~~of the~~ by a rider, at least a portion of said nose section second support surface being

supported on a deformable portion of said nose section in a manner which enables said support surface to relocate its position in response and proportionate to the amount of load placed thereon by said rider, and wherein the angle between the central axis of said nose section and a vertical plane containing the leading front edge of said first support surface is within a range of 90-125°.

10. (New) A bicycle seat comprising:

- a) a posterior base section having a relatively wide, substantially flat first support surface for use by the rider and that slopes anteriorly;
- b) a nose section extending forwardly and centrally of said posterior base section and having a relatively narrow, elongated second support surface for use by the rider, a portion of said nose section being formed as a deformable structure enclosing therein a hollow space below a selected portion of said second support surface, said space extending lengthwise of a portion of the length of said nose section and being adapted to permit the portion of said second support surface above said space to relocate its position proportionate to the load placed on said second support surface above said space; and
- c) the angle between the central axis of said nose section and the vertical plane containing the leading front edge of said first support surface being formed so as to provide an abrupt transition between the relatively wide posterior base section and the relatively narrow nose section, wherein said angle is within a range of 90° to 125°.

11. (New) A bicycle seat as claimed in claim 10,

- a) wherein i) the width and slope of said base section first support surface, ii) the size and slope of said nose section second support surface, and iii) the choice of said angle within said range are coordinated such that said first support surface when supporting a rider tends to redistribute the contact pressure through the riders gluteal muscles and hamstrings and away from the perineum, and also tends to avoid the arterial and nerve compression along the rider's pelvic bony structure; and
- b) wherein the location and size of said space below said second support surface is coordinated to cause the rider's contact pressure to be initially placed along the

center of the rider's pelvis and thereafter redistributed through the rider's lateral perineal structures as the rider's load on said nose section increases.

IN THE ABSTRACT:

Please amend the prior abstract with the following change, indicating the insertion of a paragraph number.

[0024] A load deformable bicycle seat comprising a unique substantially flat posterior body section (PS) on which the rider sits, a unique load deformable elongated hollow nose section (NS) of the seat (20). The posterior section (PS) of the seat supports and is designed to promote pressure distribution around the ischael tuberosities. The seat surface is substantially flat or shaped slightly concave to avoid pushing into the perineal region of the groin. The nose (NS) comprises an integrated hollow tubular piece of deformable plastic, rubber, or other material having a rounded and sealed anterior portion (21).